

What is claimed is:

1. A mobile communication device comprising:

a housing;

a mobile telephone operably supported by said housing; and

a self-contained audio recorder operably supported by said housing.

2. The mobile communication device of claim 1 wherein said mobile telephone comprises:

a first microprocessor supported by said housing;

audio processing and microprocessor support circuitry communicating with said first microprocessor;

an interface controller operably connected to said audio processing and microprocessor support circuitry;

a keypad connected to said interface controller;

a speaker connected to said interface controller;

a microphone connected to said interface controller;

transmitter receiver circuitry connected to said audio processing and microprocessor support circuitry; and

an antenna communicating with said transmitter receiver circuitry.

3. The mobile communication device of claim 2 wherein said mobile telephone

further comprises a display screen communicating with said interface controller.

4. The mobile communication device of claim 2 wherein said self-contained audio recorder comprises:

a second microprocessor supported by said housing;

an input device communicating with said second microprocessor;

record and playback circuitry coupled to said second microprocessor for recording a signal on a recording medium;

a second microphone communicating with said second microprocessor through said record and playback circuitry; and

a second speaker communicating with said second microprocessor through said record and playback circuitry.

5. The mobile communication device of claim 4 wherein said recording medium is selected from the group consisting of a solid state memory device and a magnetic tape cassette.

6. The mobile communication device of claim 4 further comprising an LED communicating with said second microprocessor.

7. A mobile communication device comprising:

a housing;

means supported within said housing for generating and receiving telephone signals;

and

means supported within said housing for recording and playing back an audio signal on a recording medium within said housing.

8. A mobile communication device comprising:

- a housing;
- a microprocessor supported by said housing;
- audio processing and microprocessor support circuitry communicating with said microprocessor;
- an interface controller operably connected to said audio processing and microprocessor support circuitry;
- a keypad connected to said interface controller;
- a speaker connected to said interface controller;
- a microphone connected to said interface controller;
- transmitter receiver circuitry connected to said audio processing and microprocessor support circuitry;
- an antenna communicating with said transmitter receiver circuitry;
- a switch matrix communicating with said microprocessor;
- record and playback circuitry coupled to said microphone, said microprocessor and said speaker for recording an audio signal received by said microphone on a recording medium within said housing and playing back said audio signal through said speaker.

9. The mobile communication device of claim 8 wherein said recording medium is selected from the group consisting of a solid state memory device and a magnetic tape cassette.

10. The mobile communication device of claim 8 further comprising an LED communicating with said second microprocessor.

11. A mobile communication method comprising:
placing a telephone call using a mobile communication device; and
recording an audio message within the mobile communication device.

12. The method of claim 11, further comprising receiving a telephone call with said mobile communication device.

13. The method of claim 11 further comprising playing back the recorded audio message.

14. A mobile communication device, comprising:
a housing;
a mobile pager operably supported by said housing; and
a self-contained audio recorder operably supported by said housing.

15. The mobile communication device of claim 14 wherein said mobile pager

comprises:

a first microprocessor supported by said housing;
microprocessor support circuitry communicating with said first microprocessor;
an interface controller operably connected to said microprocessor support circuitry;
a display screen communicating with said interface controller;
a keypad connected to said interface controller;
transmitter receiver circuitry connected to said audio processing and microprocessor support circuitry; and
an antenna communicating with said transmitter receiver circuitry.

16. The mobile communication device of claim 15 wherein said self-contained audio recorder comprises:

a second microprocessor supported by said housing;
an input device communicating with said second microprocessor;
record and playback circuitry coupled to said second microprocessor for recording a signal on a recording medium;
a microphone communicating with said second microprocessor through said record and playback circuitry; and
a speaker communicating with said second microprocessor through said record and playback circuitry.

17. The mobile communication device of claim 16 wherein said recording medium

is selected from the group consisting of a solid state memory device and a magnetic tape cassette.

18. The mobile communication device of claim 16 further comprising an LED communicating with said second microprocessor.

19. A mobile communication device comprising:
a housing;
means supported within said housing for generating and receiving pager signals; and
means supported within said housing for recording and playing back an audio signal on a recording medium within said housing.

20. A mobile communication device comprising:
a housing;
a microprocessor supported by said housing;
microprocessor support circuitry communicating with said microprocessor;
an interface controller operably connected to said microprocessor support circuitry;
a keypad connected to said interface controller;
a speaker connected to said interface controller;
a microphone connected to said interface controller;
transmitter receiver circuitry connected to said audio processing and microprocessor support circuitry;

an antenna communicating with said transmitter receiver circuitry;
a switch matrix communicating with said microprocessor; and
record and playback circuitry coupled to said microphone, said microprocessor, and
said speaker for recording an audio signal received by said microphone on a recording medium
within said housing and playing back said audio signal through said speaker.

21. The mobile communication device of claim 20 wherein said recording medium
is selected from the group consisting of a solid state memory device and a magnetic tape
cassette.

22. The mobile communication device of claim 20 further comprising an LED
communicating with said second microprocessor.